APPENDIX T

BIBLIOGRAPHY

- 1. Babb, Roger A. <u>POWRSYM Production Costing Model</u>. Tennessee Valley Authority, Chattanooga, Tennessee, undated (user manual).
- 2. <u>Columbia River Treaty Documents</u> (compilation of official Columbia River Treaty documents of the United States and Canada). United States Department of the Interior, undated.
- 3. Creager, William R. and Joel D. Justin. <u>Hydroelectric Handbook</u>. John Wiley & Sons Inc., New York, New York, 1950.
- 4. Data Resources, Inc., <u>Energy Review</u>. Data Resources, Inc., Lexington, Massachusetts (published quarterly).
- 5. Doland, James J. <u>Hydro Power Engineering</u>. Ronald Press Company, New York, New York, 1954.
- 6. EG&G Idaho, Inc. <u>Microhydropower Handbook</u>. (U.S. Department of Energy Publication No. IDO-10107). National Technical Information Center, Springfield, Virginia, January 1983 (2 volumes).
- 7. Eichert, B. S. "HEC-5C, A Simulation Model for System Formulation and Evaluation" (HEC Technical Paper 41). U.S. Army Corps of Engineers, Hydrologic Engineering Center, Davis, California, March 1974.
- 8. Eichert, B. S. "Hydrologic and Economic Simulation of Flood Control Aspects of Water Resource Systems" (HEC Technical Paper 43). U.S. Army Corps of Engineers, Hydrologic Engineering Center, Davis, California, August 1975.
- 9. Eichert, B. S. "Reservoir Storage Determination by Computer Simulation of Flood Control and Conservation Systems" (HEC Technical Paper 66). U.S. Army Corps of Engineers, Hydrologic Engineering Center, Davis, California, October 1979.
- 10. Eichert, B. S. and D. W. Davis. "Sizing Flood Control Reservoir Systems by Systems Analysis" (HEC Technical Paper 44). U.S. Army Corps of Engineers, Hydrologic Engineering Center, Davis, California, March 1976.

- 11. Eichert, B. S., J. C. Peters, and A. F. Pabst. "Techniques for Real-Time Operation of Flood Control Reservoirs in the Merrimack River Basin" (HEC Technical Paper 45). U.S. Army Corps of Engineers, Hydrologic Engineering Center, Davis, California, November 1975.
- 12. Electric Power Research Institute. An Assessment of Energy Storage Systems Suitable for Use by Electric Utilities (EPRI EM-264, three volumes). Electric Power Research Institute, Palo Alto, California, 1976.
- 13. Electric Power Research Institute. <u>Electric Load Forecasting:</u>
 Probing the Issues with Models (EPRI EA-1075). Electric Power
 Research Institute, Palo Alto, California, 1979.
- 14. Electric Power Research Institute. <u>Hydropower Reliability Study</u> (EPRI FM-3435). Electric Power Research Institute, Palo Alto, California, March 1984.
- 15. Electric Power Research Institute. Synthetic Electric Utility Systems for Evaluating Advanced Technologies (EPRI EM-285). Electric Power Research Institute, Palo Alto, California, 1977.
- 16. Ford, David T., Ralph Garland, and Charles Sullivan. "Operation Policy Analysis, Sam Rayburn Reservoir," <u>Journal of the Water Resource Planning and Management Division</u>. Volume 107, No. WR2. American Society of Civil Engineers, October 1981.
- 17. Fritz, Jack J. Small and Mini Hydropower Systems. McGraw-Hill, New York, New York, 1984.
- 18. Gladwell, John S. and Calvin C. Warnick (editors). <u>Low-Head Hydro: An Examination of an Alternative Energy Source.</u> Idaho Water Resources Research Institute, Moscow, Idaho, September, 1978.
- 19. Green, Gordon G. and Earl E. Eiker (editors). Accomplishments and Impacts of Reservoirs (Proceedings of conference, October 20-21, 1983). American Society of Civil Engineers, 1983.
- 20. The John Muir Institute, Inc. (for U.S. Department of Energy).

 Institutional Constraints on Alternative Water for Energy
 (DOE/EV/10180-01). National Technical Information Service,
 Springfield, Virginia, 1980.

- 21. Johnson, W. K. and D. W. Davis. "Analysis of Structural and Nonstructural Flood Control Measures Using Computer Program HEC-5C" (HEC Training Document No. 7). U.S. Army Corps of Engineers, Hydrologic Engineering Center, Davis, California, November 1975.
- 22. Karadi, Gabor M. (for the National Science Foundation). <u>Pumped Storage and its Environmental Effects</u>. National Science Foundation, Washington, D.C, 1974.
- 23. Kuiper, Edward. <u>Water Resources Development: Planning.</u> <u>Engineering. and Economics.</u> Butterworths, London, 1965.
- 24. Kuiper, Edward. <u>Water Resources Project Economics</u>. Butterworths, London, 1971.
- 25. Linsley, Ray K. and Joseph B. Franzini. <u>Water Resources</u> <u>Engineering</u>. McGraw-Hill, New York, New York, 1979.
- 26. McMahon, C. F., V. R. Bonner, and B. S. Eichert. "Operational Simulation of a Reservoir System with Pumped Storage" (HEC Technical Paper 60). U.S. Army Corps of Engineers, Hydrologic Engineering Center, Davis, California, February 1979.
- 27. North American Electric Reliability Council. <u>Equipment Availability Report: 1974-83</u>. North American Electric Reliability Council, Princeton, New Jersey (issued annually).
- 28. North American Electric Reliability Council. <u>Electric Power</u>
 <u>Supply and Demand 1983-1992</u>. North American Electric Reliability
 Council, Princeton, New Jersey (issued annually).
- 29. Northwest Power Planning Council. <u>Northwest Conservation and Electric Power Plan</u> (2 Volumes). Northwest Power Planning Council, Portland, Oregon, 1983.
- 30. <u>Pacific Northwest Coordination Agreement</u> (agreement for coordination of operations among power systems of the Pacific Northwest), September 1964.
- 31. Pacific Northwest Utilities Conference Committee. <u>Resource Planning Models</u>. Pacific Northwest Utilities Conference Committee, Portland, Oregon, 1981.
- 32. Pacific Northwest River Basins Commission (Power Planning Committee). Seasonability of River Use. Columbia and Lower Snake River Dams. Pacific Northwest River Basins Commission, Vancouver, Washington, 1975 (available from North Pacific Division, Corps of Engineers, attn: NPDEN-WM).

- 33. Systems Control Inc. (for U.S. Army Corps of Engineers and the Bureau of Reclamation). <u>Assessment of System Models for Hydropower Project Evaluation</u> (two volumes). U.S. Army Corps of Engineers. North Pacific Division, Portland, Oregon, 1980.
- 34. Toebes, G. H. and A. A. Shepard (editors). <u>Proceedings of the National Workshop on Reservoir Systems Operation</u> (August 13-17, 1979). American Society of Civil Engineers, New York, New York, 1981.
- 35. Tudor Engineering Company (for U.S. Bureau of Reclamation).

 Report on Assessment of Low-Head Hydroelectric Sites in the
 Western States. National Technical Information Service,
 Springfield, Virginia, March 1982.
- 36. Tudor Engineering Company (for U.S. Water and Power Resources Service). Reconnaissance Evaluation of Small, Low-Head Hydroelectric Installations. U.S. Bureau of Reclamation, Denver, Colorado, 1980.
- 37. U.S. Army Corps of Engineers. <u>Digest of Water Resources Policies and Authorities</u> (EP 1165-2-1). U.S. Army Corps of Engineers, Office of the Chief of Engineers, Washington, D.C., 1981 (revised biennially).
- 38. U.S. Army Corps of Engineers. Estimate of National Hydroelectric Power Potential at Existing Dams. U.S. Army Corps of Engineers, Institute for Water Resources, Washington, D.C., July 1977.
- 39. U.S. Army Corps of Engineers. <u>Feasibility Studies for Small Scale Hydropower Additions.</u> U.S. Army Corps of Engineers, Hydrologic Engineering Center, Davis, California, 1979.
- 40. U.S. Army Corps of Engineers. <u>HEC-5. Simulation of Flood Control and Conservation Systems.</u> U.S. Army Corps of Engineers, Hydrologic Engineering Center, Davis, California, April 1982 (user manual).
- 41. U.S. Army Corps of Engineers. <u>Hydropower Cost Estimating Manual.</u>
 U.S. Army Corps of Engineers, North Pacific Division, Portland,
 Oregon, May 1979 (revised 1981).
- 42. U.S. Army Corps of Engineers. <u>Hydro-Thermal Power Systems Hourly Local Distribution and Pondage Analysis</u>. U.S. Army Corps of Engineers, North Pacific Division, Portland, Oregon, 1981 (user manual).

- 43. U.S. Army Corps of Engineers. Hydroelectric Power Potential at Corps of Engineers Projects. U.S. Army Corps of Engineers, Institute for Water Resources. National Technical Information Service, Springfield, Virginia, 1975.
- 44. U.S. Army Corps of Engineers. <u>Hydrologic Engineering Methods for Water Resources Development.</u> U.S. Army Corps of Engineers, Hydrologic Engineering Center, Davis, California.
 - a. Vol. 1. Requirements and General Procedures. 1971.
 - b. Vol. 7. Flood Control by Reservoirs. 1976.
 - c. Vol. 8. Reservoir Yield. 1975.
 - d. Vol. 9. Reservoir System Analysis for Conservation. 1977.
- 45. U.S. Army Corps of Engineers. HYDUR: Hydropower Analysis Using Streamflow Duration Procedures. U.S. Army Corps of Engineers, Hydrologic Engineering Center, Davis, California, 1982 (user manual).
- 46. U.S. Army Corps of Engineers. HYSSR (Hydro System Seasonal Regulation). U.S. Army Corps of Engineers, North Pacific Division, Portland, Oregon, 1982 (user manual).
- 47. U.S. Army Corps of Engineers. <u>National Hydroelectric Power</u>
 <u>Resources Study Preliminary Inventory of Hydropower Resources.</u>
 U.S. Army Corps of Engineers, Institute for Water Resources and Hydrologic Engineering Center, Washington, D.C., July 1979.
- 48. U.S. Army Corps of Engineers. <u>National Hydroelectric Power</u>
 <u>Resources Study.</u> U.S. Army Corps of Engineers, Institute for
 Water Resources. U.S. Government Printing Office, Washington,
 D.C.
 - a. Vol. I. Executive Summary (Corps of Engineers, Institute for Water Resources), May 1983.
 - b. Vol. II. <u>National Report</u> (Corps of Engineers, Institute for Water Resources), May 1983.
 - c. Vol. III. The Magnitude and Regional Distribution of Needs for Hydropower: Phase I 1978 Electric Power Demand and Supply (Harza Engineering Company), September 1981.

- d. Vol. IV. The Magnitude and Regional Distribution of Needs of Hydropower: Phase II Future Electric Power Supply and Demand (Harza Engineering Company), September 1981.
- e. Vol. V. <u>Legal and Institutional Aspects of Hydroelectric</u>
 <u>Power Development and Operation</u> (The Energy Law Institute),
 March 1981.
- f. Vol. VI. A Review of Economic Evaluation Criteria for Federal Hydroelectric Power Projects (by David C. Majors), May 1981.
- g. Vol. VII. <u>Marketing and Transmission of Federal Hydroelectric</u>
 <u>Power</u> (U.S. Department of Energy), September 1981.
- h. Vol. VIII. <u>Environmental Assessment</u> (Intasa, Inc.), September 1981.
- i. Vol. IX. <u>Potential for Increasing the Output of Existing Hydroelectric Plants</u> (Corps of Engineers, Hydrologic Engineering Center), July 1981.
- j. Vol. X. An Assessment of Hydroelectric Pumped Storage (Dames and Moore), November 1981.
- k. Vol. XI. <u>Technical Assessment of National Hydroelectric Power</u>
 <u>Development</u> (Nero and Associates, Inc.), June 1981.
- 1. Vol. XII. <u>Data Base Inventory</u> (Corps of Engineers, Hydrologic Engineering Center), September 1981.
- m. Vol. XIII. <u>Data Base Inventory Support Studies</u> (Corps of Engineers, Hydrologic Engineering Center), September 1981.
- n. Vol. XIV. <u>Regional Assessment: Northeast Power Coordinating Council</u> (Corps of Engineers, New England Division), September 1981.
- o. Vol. XV. <u>Regional Assessment: Mid-Atlantic Area Electric Reliability Council</u> (Corps of Engineers, North Atlantic Division), September 1981.
- p. Vol. XVI. <u>Regional Assessment: Southeastern Electric</u>
 <u>Reliability Council and Puerto Rico</u> (Corps of Engineers,
 South Atlantic Division), September 1981.
- q. Vol. XVII. <u>Regional Assessment: East Central Area</u>
 <u>Reliability Coordination Agreement</u> (Corps of Engineers, Ohio
 River Division), September 1981.

- r. Vol. XVIII. <u>Regional Assessment: Mid-America Interpool Network</u> (Corps of Engineers, North Central Division), September 1981.
- s. Vol. XIX. <u>Regional Assessment: Mid-Continent Area</u>
 <u>Reliability Coordination Agreement</u> (Corps of Engineers,
 Missouri River Division), September 1981.
- t. Vol. XX. <u>Regional Assessment: Southwest Power Pool</u> (Corps of Engineers, Southwestern Division), September 1981.
- u. Vol. XXI. <u>Regional Assessment: Electric Reliability Council of Texas</u> (Corps of Engineers, Southwestern Division), September 1981.
- v. Vol. XXII. <u>Regional Assessment: Western Systems Coordinating Council</u> (Corps of Engineers, North Pacific Division), September 1981.
- w. Vol. XXIII. <u>Regional Assessment: Alaska and Hawaii</u> (Corps of Engineers, North Pacific Division), September 1981.
- 49. U.S. Army Corps of Engineers. <u>Planning Guidance Notebook.</u> U.S. Army Corps of Engineers, Office of the Chief of Engineers, Washington, D.C., 1982.
- 50. U.S. Army Corps of Engineers (sponsor). <u>Proceedings. Waterpower 179: An International Conference on Small Scale Hydropower</u> (2 Volumes). U.S. Government Printing Office, Washington, D.C., 1979.
- 51. U.S. Army Corps of Engineers (sponsor). <u>Proceedings, Waterpower '81: An International Conference on Hydropower</u> (2 Volumes). U.S. Government Printing Office, Washington, D.C., 1981.
- 52. U.S. Army Corps of Engineers. <u>Reservoir Regulation</u> (EM 1110-2-3600).
- 53. U.S. Army Corps of Engineers. Monthly Streamflow Simulation. U.S. Army Corps of Engineers, Hydrologic Engineering Center, Davis, California, February 1971 (revised January 1984) (user manual).
- 54. U.S. Army Corps of Engineers. Routing of Floods through River Channels (EM 1110-2-1408).
- 55. U.S. Army Corps of Engineers. <u>Selecting Reaction Type Hydraulic Turbines and Pump-Turbines</u> (EM 1110-2-3106).

- 56. U.S. Army Corps of Engineers, North Pacific Division. <u>Streamflow Synthesis and Reservoir Regulation (SSARR)</u>. U.S. Army Corps of Engineers, North Pacific Division, Portland, Oregon, 1975.
- 57. U.S. Army Corps of Engineers. <u>Use of Non-Sequential Techniques</u> in the Analysis of Power Potential at Storage Projects (Technical Paper No. 80). U.S. Army Corps of Engineers, Hydrologic Engineering Center, Davis, California, undated.
- 58. U.S. Army Corps of Engineers. <u>Water Control Management</u> (ER 1110-2-240). October 1982.
- 59. U.S. Bureau of Reclamation, Engineering and Research Center.

 <u>Construction Cost Trends.</u> Bureau of Reclamation, Denver,

 Colorado. Published quarterly.
- 60. U.S. Bureau of Reclamation. Estimating Reversible Pump-Turbine Characteristics (Engineering Monograph No. 39). U.S. Government Printing Office, Washington, D.C., 1975.
- 61. U.S. Bureau of Reclamation. <u>Friction Factors for Large Penstocks</u>
 <u>Flowing Full</u> (Engineering Monograph No. 7). U.S. Government
 Printing Office, Washington, D.C., 1965.
- 62. U.S. Bureau of Reclamation. <u>Welded Steel Penstocks</u> (Engineering Monograph No. 3). U.S. Government Printing Office, Washington, D.C., 1966 (revised).
- 63. U.S. Bureau of Reclamation. Report on Assessment of Small Hydroelectric Development at Existing Facilities. U.S. Government Printing Office, Washington, D.C., July 1980.
- 64. U.S. Bureau of Reclamation. <u>Selecting Hydraulic Reaction</u>
 <u>Turbines</u> (Engineering Monograph No. 20). U.S. Government
 Printing Office, Washington, D.C., 1976.
- 65. U.S. Bureau of Reclamation (Water and Power Resources Service).

 Report on Assessment of Small Hydroelectric Development at

 Existing Facilities. Bureau of Reclamation, Denver, Colorado,
 July 1980.
- 66. U.S. Bureau of Reclamation. <u>Intake Losses</u> (Engineering Monograph No. 1). U.S. Government Printing Office, Washington, D.C., 1977.
- 67. U.S. Department of Energy. Service Report No. SR/IA/80-16, November 1980 (printed in <u>Federal Register</u>. October 7, 1980 pp. 71339-71349), U.S. Government Printing Office, Washington, D.C.

- 68. U.S. Department of Energy and Electric Power Research Institute (co-sponsors). Proceedings: International Symposium and Workshop on the Dynamic Benefits of Energy Storage Plant Operation (May 7-11, 1984). University of Wisconsin Press, Milwaukee, Wisconsin, 1984.
- 69. U.S. Energy Information Administration. A Guide for the Assessment of Technologies for Generating Electricity (DOE/EIA-0344). National Energy Information Center, Washington, D.C., 1982.
- 70. U.S. Energy Information Administration. <u>Hydroelectric Plant Construction Cost and Annual Production Expenses</u> (DOE/EIA-0171). U.S. Government Printing Office, Washington, D.C., published annually.
- 71. U.S. Federal Energy Regulatory Commission. <u>Application Procedures</u> <u>for Hydropower Licenses. Exemptions and Preliminary Permits</u> (FERC-0097). Federal Energy Regulatory Commission (updated periodically).
- 72. U.S. Federal Energy Regulatory Commission. <u>Hydroelectric Power Evaluation</u> (DOE/FERC-0031). U.S. Government Printing Office, Washington, D.C., August 1979.
- 73. U.S. Federal Energy Regulatory Commission. <u>Hydroelectric Power Resources of the United States</u> (DOE/FERC-0070). U.S. Government Printing Office, Washington, D.C. (published every four years).
- 74. U.S. Federal Power Commission. The 1970 National Power Survey (Four Volumes). U.S. Government Printing Office, Washington, D.C., 1970.
- 75. U.S. Geological Survey. <u>Water Resources Data</u>. Published yearly for each state by the USGS Water Resources Division as part of the USGS Water Data Report Series.
- 76. U.S. Tennessee Valley Authority (sponsor). Conference Proceedings. Water Power '83: An International Conference on Hydropower (3 volumes). University of Tennessee Press, Knoxville, Tennessee, 1983.
- 77. U.S. Water Resources Council. <u>Economics and Environmental Principles and Guidelines for Water and Related Land Resources Implementation Studies.</u> U.S. Government Printing Office, Washington, D.C, 1983.

- 78. U.S. Water Resources Council (Water and Energy Task Force).

 <u>Evaluating Hydropower Benefits.</u> U.S. Water Resources Council,
 Washington, D.C., December, 1981 (copies of abridged edition are
 available from North Pacific Division, Corps of Engineers, ATTN:
 NPDEN-WM).
- 79. U.S. Water Resources Council. "Procedures for Evaluation of National Economic Development (NED) Benefits and Costs in Water Resources Planning (Level C); Final Rule." (printed in <u>Federal Register</u>, Friday, December 17, 1979, pp. 72892-72976), U.S. Government Printing Office, Washington, D.C.
- 80. Warborg, C. E., et al. <u>Effects of Reservoir Releases on Water Quality, Macroinvertebrates, and Fish in Tailwaters: Field Study Results.</u> Technical Report E-83-6 (prepared by the National Reservoir Research Program, United States Fish and Wildlife Service). U.S. Army Corps of Engineers, Waterways Experiment Station, Vicksburg, Mississippi, 1983.
- 81. Warnick, C. C. <u>Hydropower Engineering</u>. Prentice-Hall, Inc., Englewood Cliffs, New Jersey, 1984.
- 82. U.S. Bureau of Reclamation. <u>Turbines and Pumps</u> (Design Standards No. 6). U.S. Bureau of Reclamation, Denver, Colorado, November 1971.
- 83. U.S. Energy Information Administration. <u>Electric Power Monthly.</u> (DOE/EIA-0226), U.S. Energy Information Administration, Washington, D.C. Published monthly.
- 84. U.S. Energy Information Administration. <u>Electric Power Quarterly.</u> (DOE/EIA-0227), U.S. Energy Information Administration, Washington, D.C. Published quarterly.
- 85. U.S. Army Corps of Engineers. <u>Pumped-Storage in the Pacific Northwest. an Inventory</u> (CRT-26). U.S. Army Corps of Engineers, North Pacific Division, Portland, Oregon, January 1976.
- 86. U.S. Army Corps of Engineers. <u>Pacific Northwest Regional Pumped-Storage Study: Final Report</u> (CRT-40). U.S. Army Corps of Engineers, North Pacific Division, Portland, Oregon, October 1980.
- 87. U.S. Federal Power Commission. <u>Potential Pumped-Storage Projects in the Pacific Southwest.</u> Federal Power Commission, Bureau of Power, Washington D.C., 1975.

- 88. New England River Basins Commission. An Environmental Reconnaissance of Alternative Pumped-Storage Sites in New England.
 New England River Basins Commission, July 1973.
- 89. U.S. Inter-Agency Committee on Water Resources, <u>Glossary of Important Power and Rate Terms</u>, <u>Abbreviations</u>, <u>and Units of Measurement</u>. U.S. Government Printing Office, Washington, D.C., 1965 (promulgated by the U.S. Federal Power Commission).
- 90. Charles T. Main, Inc. <u>Underground Hydroelectric Pumped-Storage</u>, an Evaluation of the Concept: Final Report (prepared for U.S. Bureau of Reclamation and U.S. Department of Energy). Boston, Massachusetts, November 1978.
- 91. Norton, W.A. and I.P. King. <u>Users Guide and Operating Instructions for the Computer Program RMA-2</u>. Resource Management Associates, Lafayette, California, December 31, 1976 (available from the Corps of Engineers, Hydrologic Engineering Center, or the Waterways Experiment Station).